



SEQUENCE LISTING

<110> Gorman, Cornelia M.
Groskreutz, Debyra J.

<120> PROHORMONE CONVERTASE TRANSFORMED CELLS AND POLYPEPTIDE SYNTHESIS

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<140> US 09/997,868
<141> 2001-11-28

<150> US 08/026,143
<151> 1993-03-01

<150> PCT/US92/10621
<151> 1992-12-04

<150> US 07/887,265
<151> 1992-05-22

<150> US 07/803,631
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Glu Asn His Tyr Leu Phe Lys His Lys Ser His Pro Arg Arg Ser Arg
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Arg Ser Ala Leu His Ile Thr Lys Arg Leu Ser Asp Asp Asp Arg Val
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Gln Lys Asp Ser Ala Leu Asp Leu Phe Asn Asp Pro Met Trp Asn Gln
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Gln Trp Tyr Leu Gln Asp Thr Arg Met Thr Ala Ala Leu Pro Lys Leu
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Val Val Ile Thr Val Leu Asp Asp Gly Leu Glu Trp Asn His Thr Asp
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Asp His Asp Pro Phe Pro Arg Tyr Asp Leu Thr Asn Glu Asn Lys His
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Ser Tyr Asn Thr Val Gln Asn Asp Arg Arg Gly Val Glu Lys Met Val
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Leu Val Pro Lys Asn Ser Ser Ser Ser Asn Val Glu Gly Arg Arg Asp
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Glu Lys Leu Asn Lys Pro Ser Lys Leu Glu Gly Ser Glu Asp Ser Leu
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Ala Ala Glu His Gly Phe Gly Val Arg Lys Leu Pro Phe Ala Glu Gly
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Leu Tyr His Phe Tyr His Asn Gly Leu Ala Lys Ala Lys Arg Arg Arg
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Ser Leu His His Lys Arg Gln Leu Glu Arg Asp Pro Arg Ile Lys Met
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Ala Leu Gln Gln Glu Gly Phe Asp Arg Lys Lys Arg Gly Tyr Arg Asp
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Ile Asn Glu Ile Asp Ile Asn Met Asn Asp Pro Leu Phe Thr Lys Gln
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Met Pro Gln Leu Ile Asp Ile Tyr Ser Ala Ser Trp Gly Pro Thr Asp
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Met Pro Arg Leu Phe Leu Phe His Leu Leu Glu Phe Cys Leu Leu Leu
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Asn Gln Phe Ser Arg Ala Val Ala Ala Lys Trp Lys Asp Asp Val Ile
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Lys Leu Cys Gly Arg Glu Leu Val Arg Ala Gln Ile Ala Ile Cys Gly
35 40 45

Met Ser Thr Trp Ser Lys Arg Ser Leu Ser Gln Glu Asp Ala Pro Gln
50 55 60

Thr Pro Arg Pro Val Ala Glu Ile Val Pro Ser Phe Ile Asn Lys Asp
65 70 75 80

Thr Glu Thr Ile Ile Ile Met Leu Glu Phe Ile Ala Asn Leu Pro Pro
85 90 95

Glu Leu Lys Ala Ala Leu Ser Glu Arg Gln Pro Ser Leu Pro Glu Leu
100 105 110

Gln Gln Tyr Val Pro Ala Leu Lys Asp Ser Asn Leu Ser Phe Glu Glu
115 120 125

Phe Lys Lys Leu Ile Arg Asn Arg Gln Ser Glu Ala Ala Asp Ser Asn
130 135 140

Pro Ser Glu Leu Lys Tyr Leu Gly Leu Asp Thr His Ser Gln Lys Lys
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Arg Arg Pro Tyr Val Ala Leu Phe Glu Lys Cys Cys Leu Ile Gly Cys
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Thr Lys Arg Ser Leu Ala Lys Tyr Cys
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Met Pro Arg Leu Phe Phe Phe His Leu Leu Gly Val Cys Leu Leu Leu
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Asn Gln Phe Ser Arg Ala Val Ala Asp Ser Trp Met Glu Glu Val Ile
20 25 30

Lys Leu Cys Gly Arg Glu Leu Val Arg Ala Gln Ile Ala Ile Cys Gly
35 40 45

Met Ser Thr Trp Ser Lys Arg Ser Leu Ser Gln Glu Asp Ala Pro Gln
50 55 60

Thr Pro Arg Pro Val Ala Glu Ile Val Pro Ser Phe Ile Asn Lys Asp
65 70 75 80

Thr Glu Thr Ile Asn Met Met Ser Glu Phe Val Ala Asn Leu Pro Gln
85 90 95

Glu Leu Lys Leu Thr Leu Ser Glu Met Gln Pro Ala Leu Pro Gln Leu
100 105 110

Gln Gln His Val Pro Val Leu Lys Asp Ser Ser Leu Leu Phe Glu Glu
115 120 125

Phe Lys Lys Leu Ile Arg Asn Arg Gln Ser Glu Ala Ala Asp Ser Ser
130 135 140

Pro Ser Glu Leu Lys Tyr Leu Gly Leu Asp Thr His Ser Arg Lys Lys
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Arg Gln Leu Tyr Ser Ala Leu Ala Asn Lys Cys Cys His Val Gly Cys
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Thr Lys Arg Ser Leu Ala Arg Phe Cys
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Met Pro Arg Leu Phe Ser Tyr Leu Leu Gly Val Trp Leu Leu Leu Ser
 1 5 10 15

Gln Leu Pro Arg Glu Ile Pro Gly Gln Ser Thr Asn Asp Phe Ile Lys
 20 25 30

Ala Cys Gly Arg Glu Leu Val Arg Leu Trp Val Glu Ile Cys Gly Ser
 35 40 45

Val Ser Trp Gly Arg Thr Ala Leu Ser Leu Glu Glu Pro Gln Leu Glu
 50 55 60

Thr Gly Pro Pro Ala Glu Thr Met Pro Ser Ser Ile Thr Lys Asp Ala
 65 70 75 80

Glu Ile Leu Lys Met Met Leu Glu Phe Val Pro Asn Leu Pro Gln Glu
 85 90 95

Leu Lys Ala Thr Leu Ser Glu Arg Gln Pro Ser Leu Arg Glu Leu Gln
 100 105 110

Gln Ser Ala Ser Lys Asp Ser Asn Leu Asn Phe Glu Glu Phe Lys Lys
 115 120 125

Ile Ile Leu Asn Arg Gln Asn Glu Ala Glu Asp Lys Ser Leu Leu Glu
 130 135 140

Leu Lys Asn Leu Gly Leu Asp Lys His Ser Arg Lys Lys Arg Leu Phe
 145 150 155 160

Arg Met Thr Leu Ser Glu Lys Cys Cys Gln Val Gly Cys Ile Arg Lys
 165 170 175

Asp Ile Ala Arg Leu Cys Phe
 180